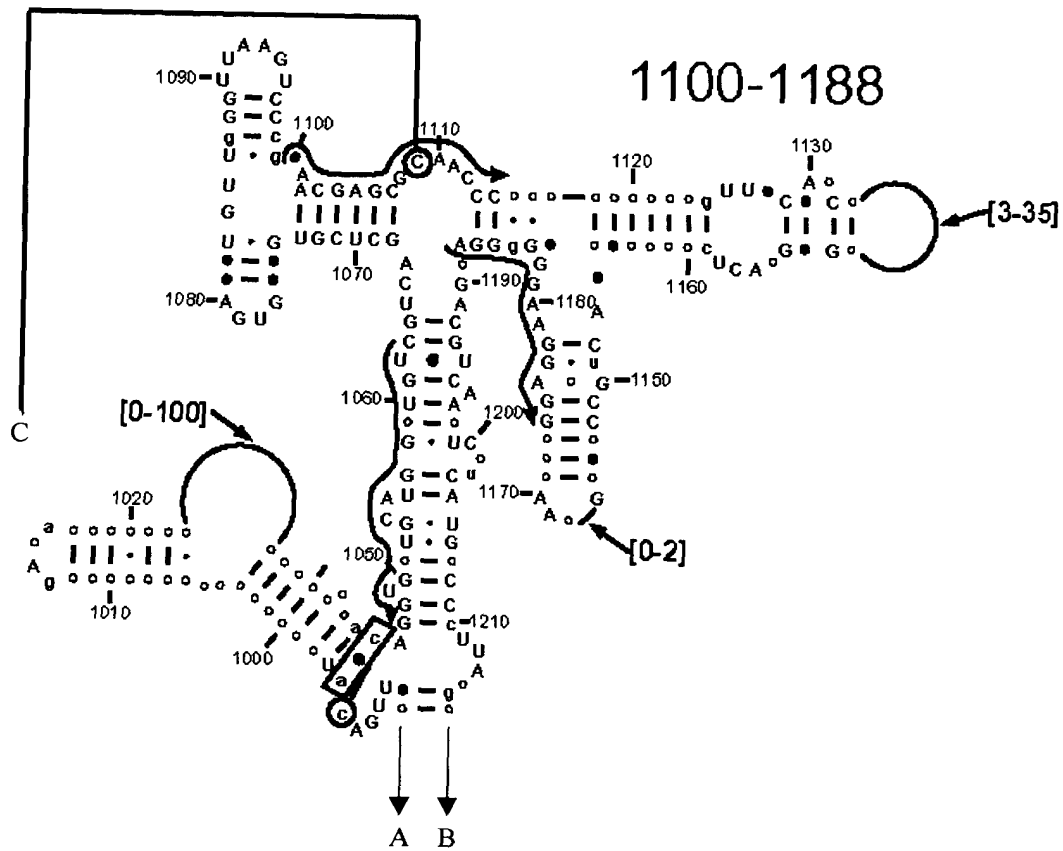


FIG. 1A-1



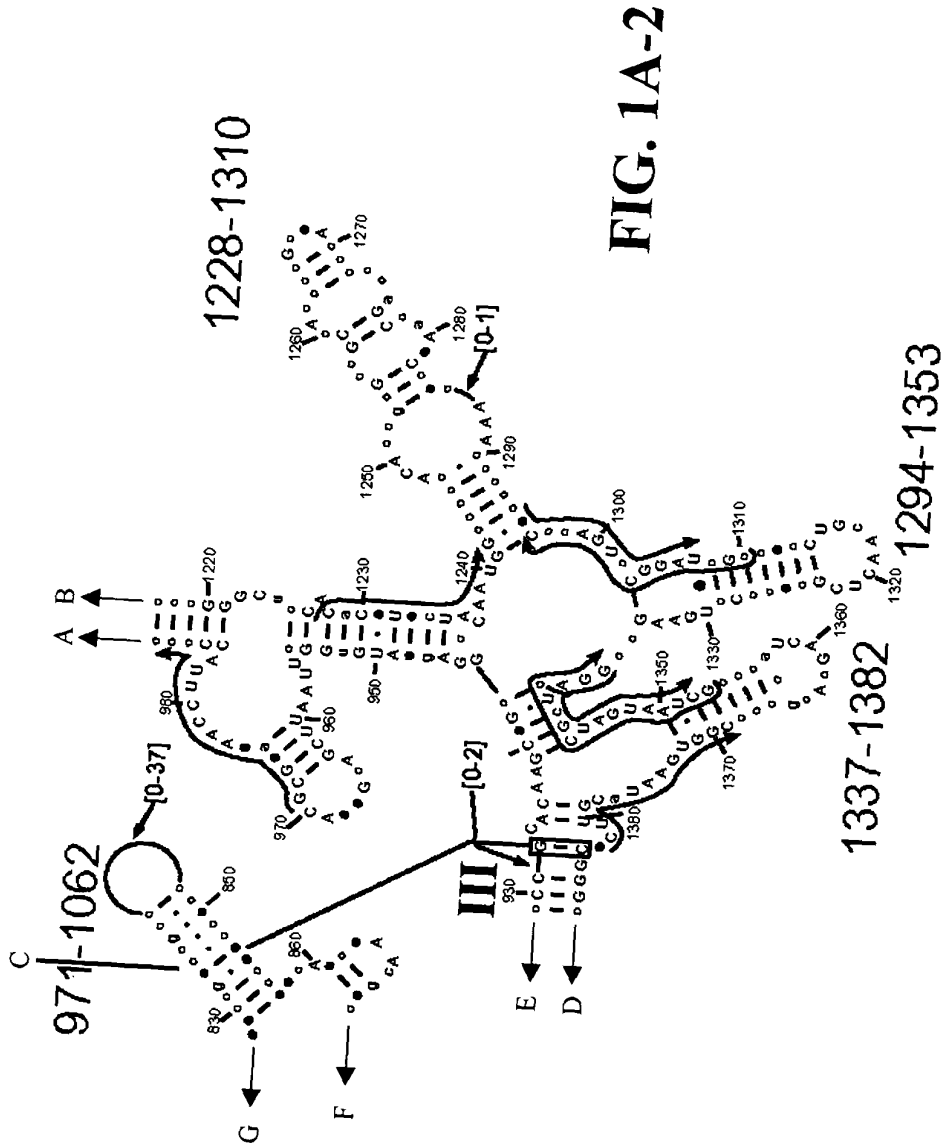


FIG. 1A-3

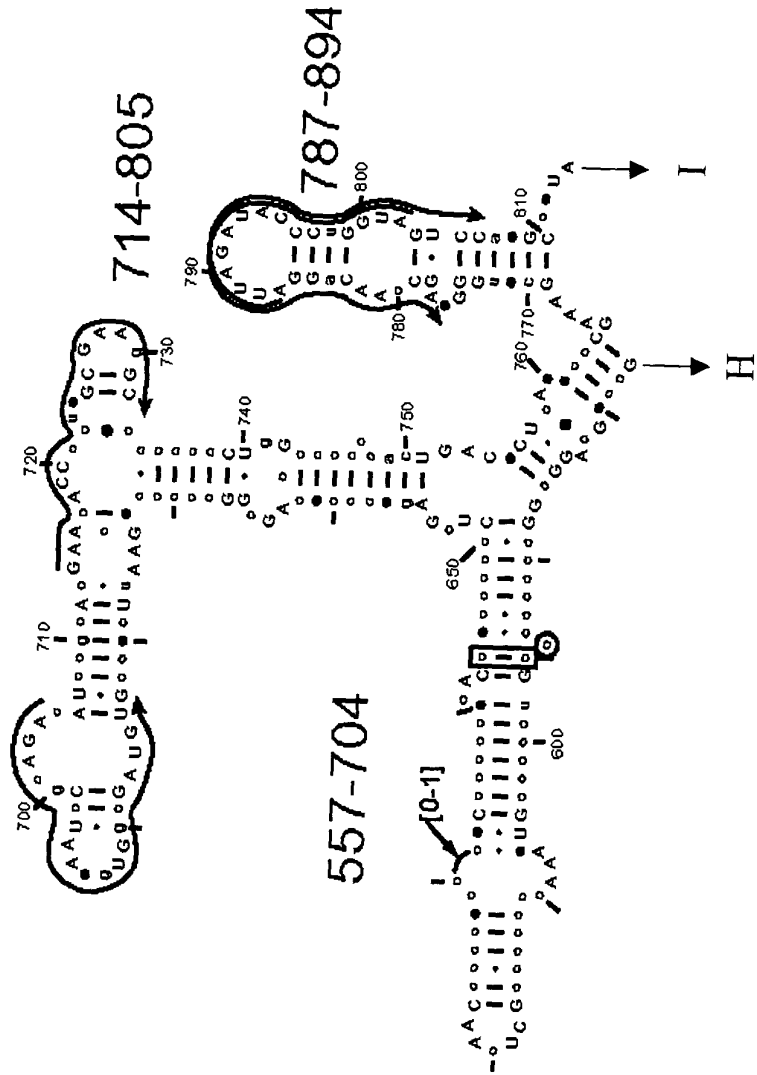
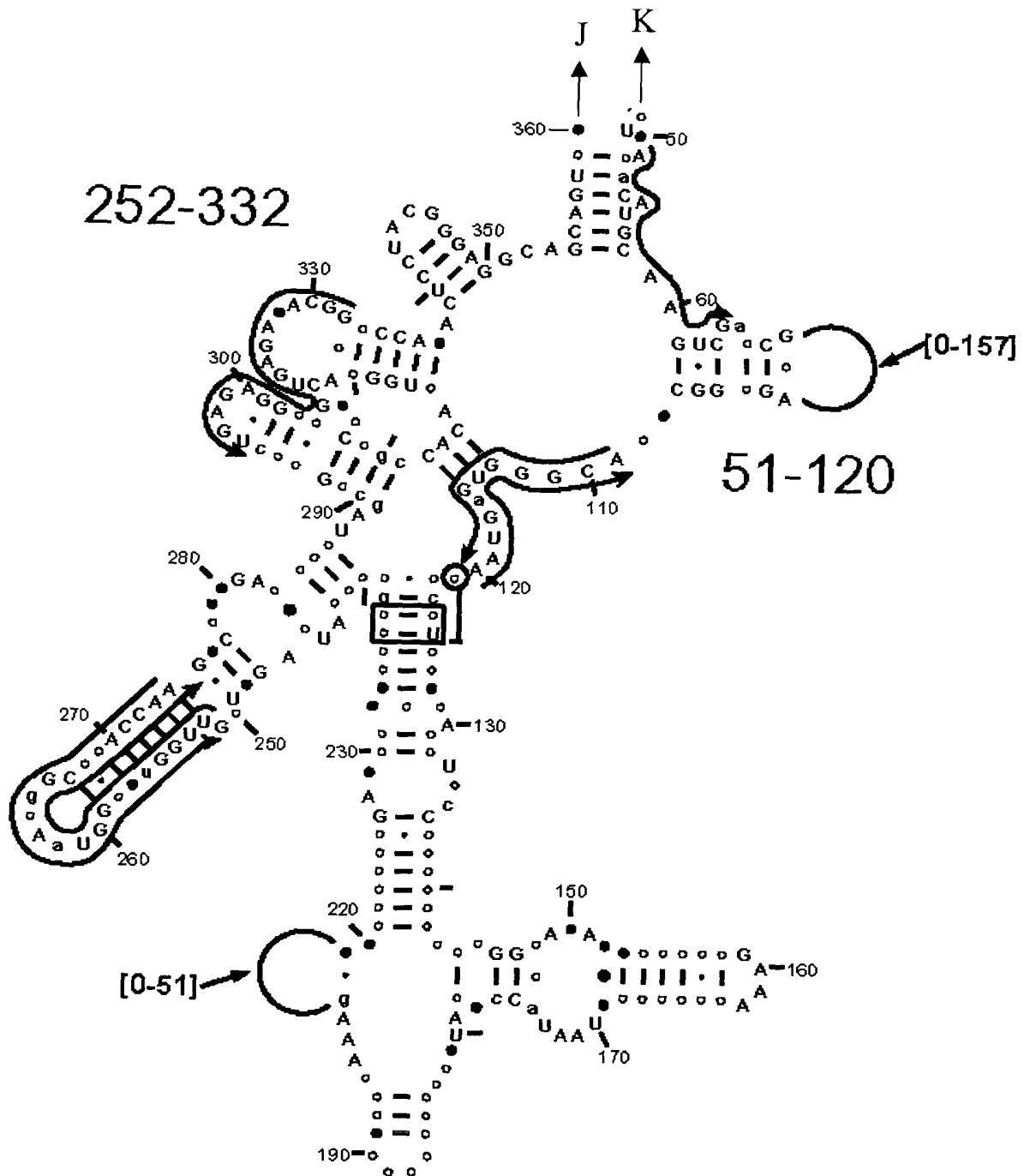


FIG. 1A-4



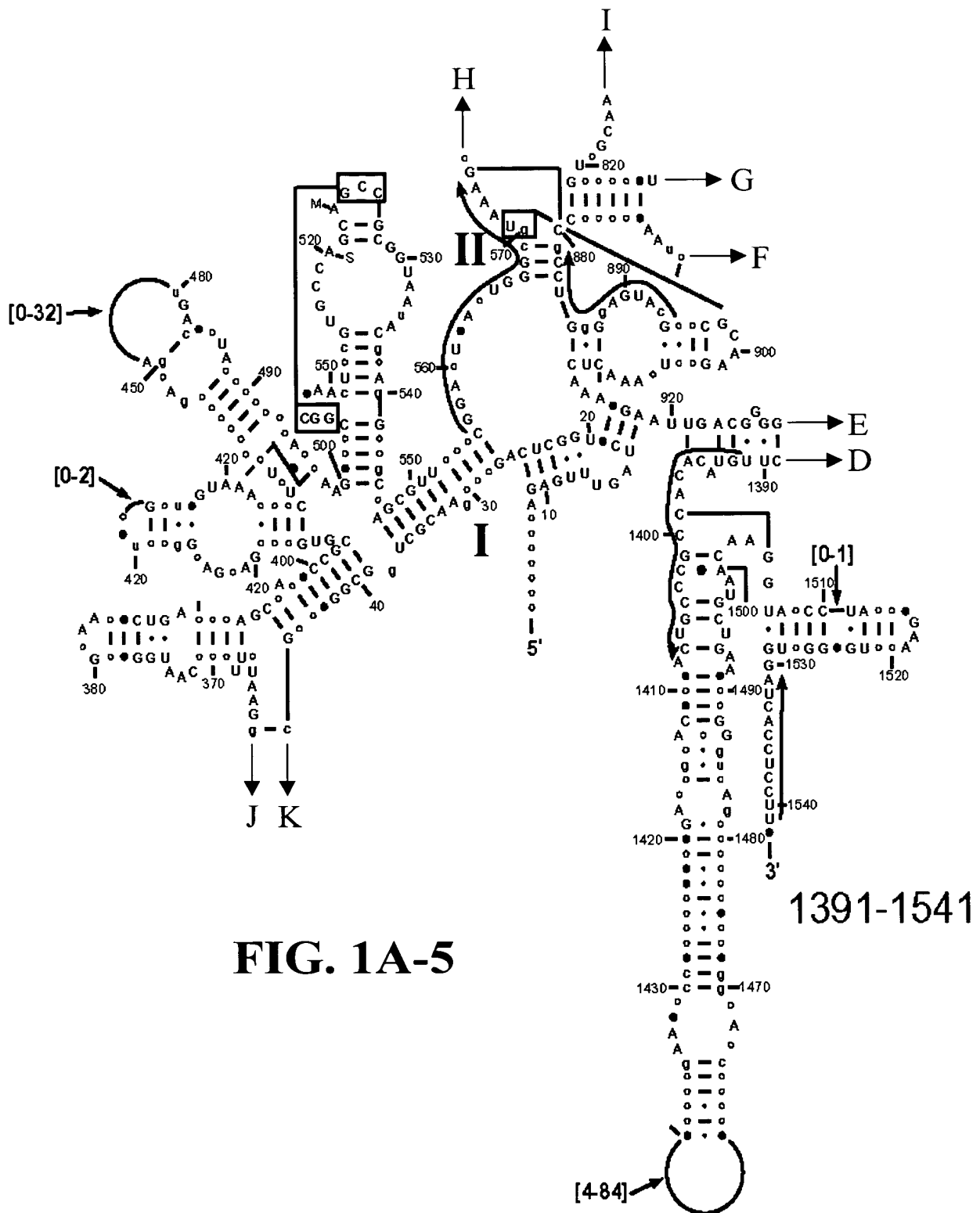


FIG. 1B

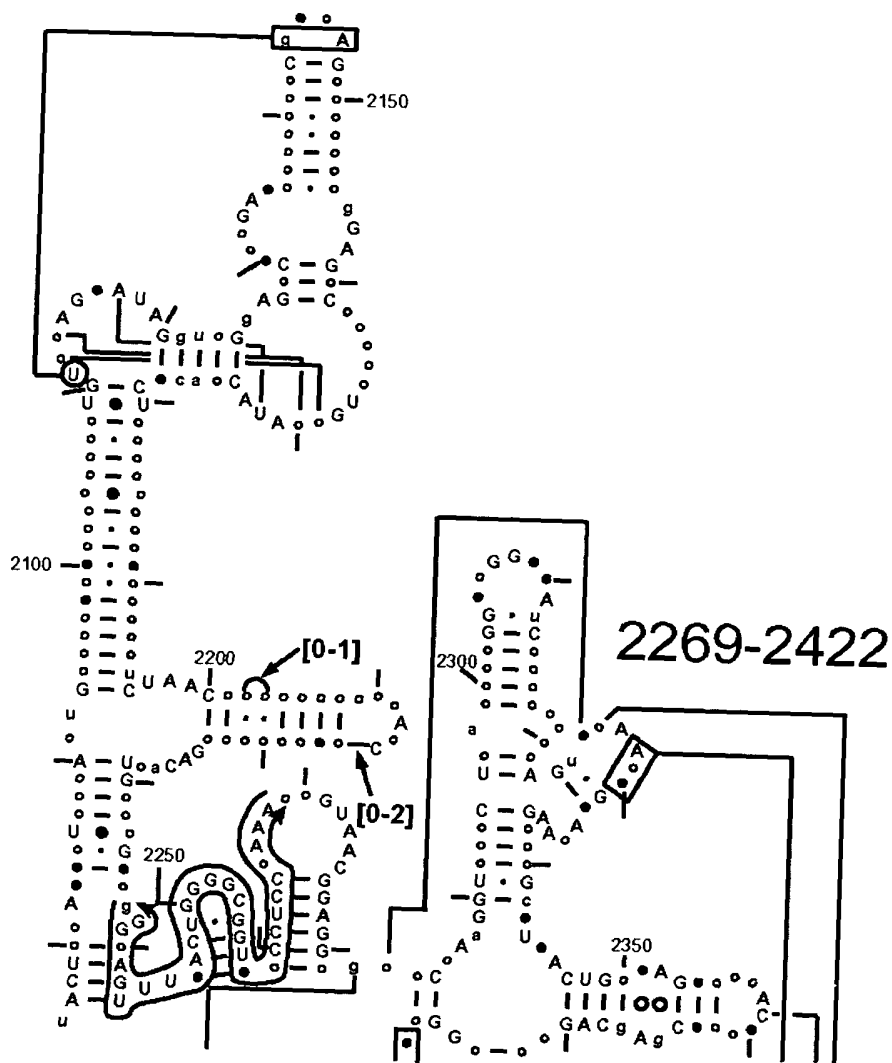


FIG. 1C

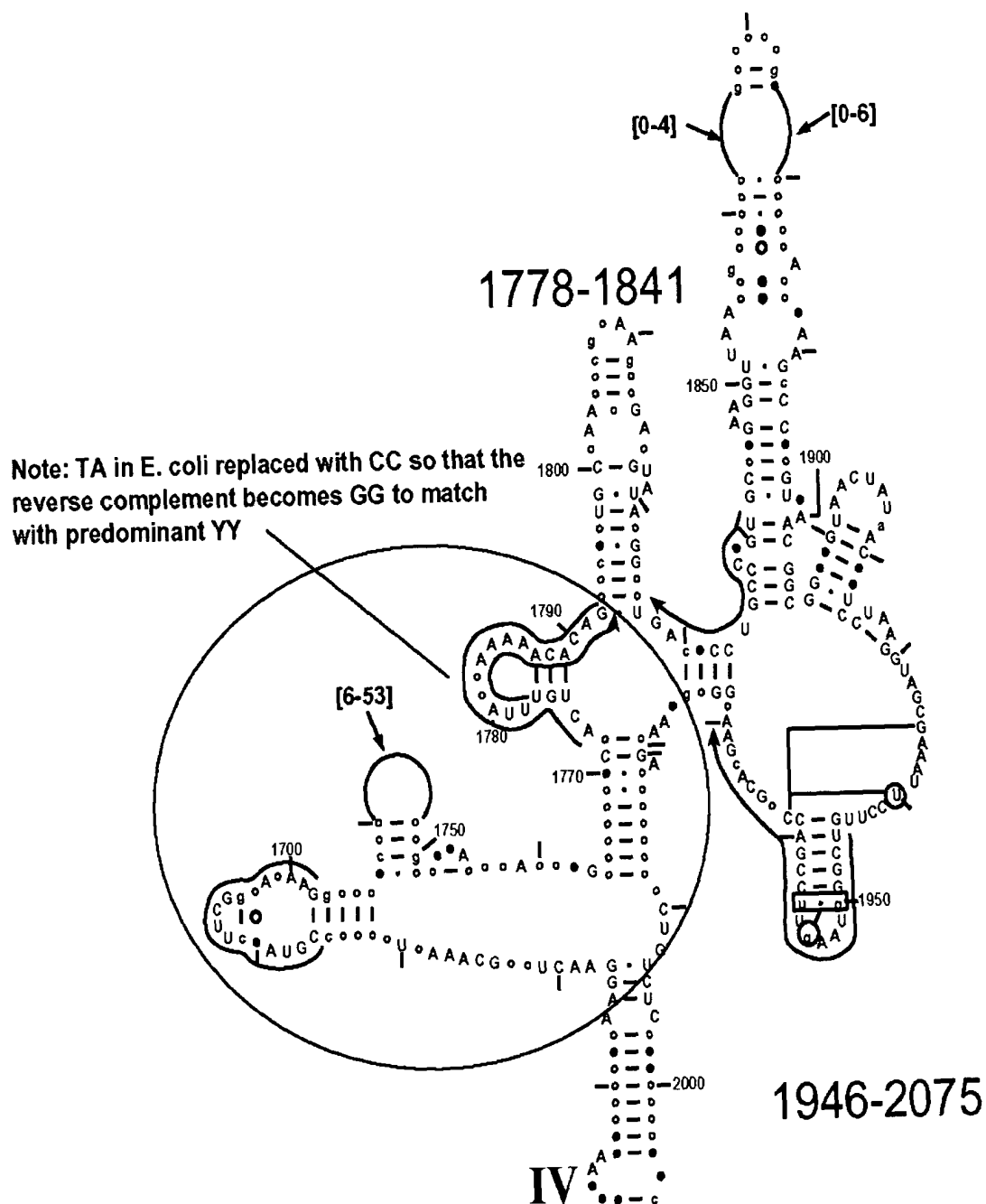


FIG. 1D

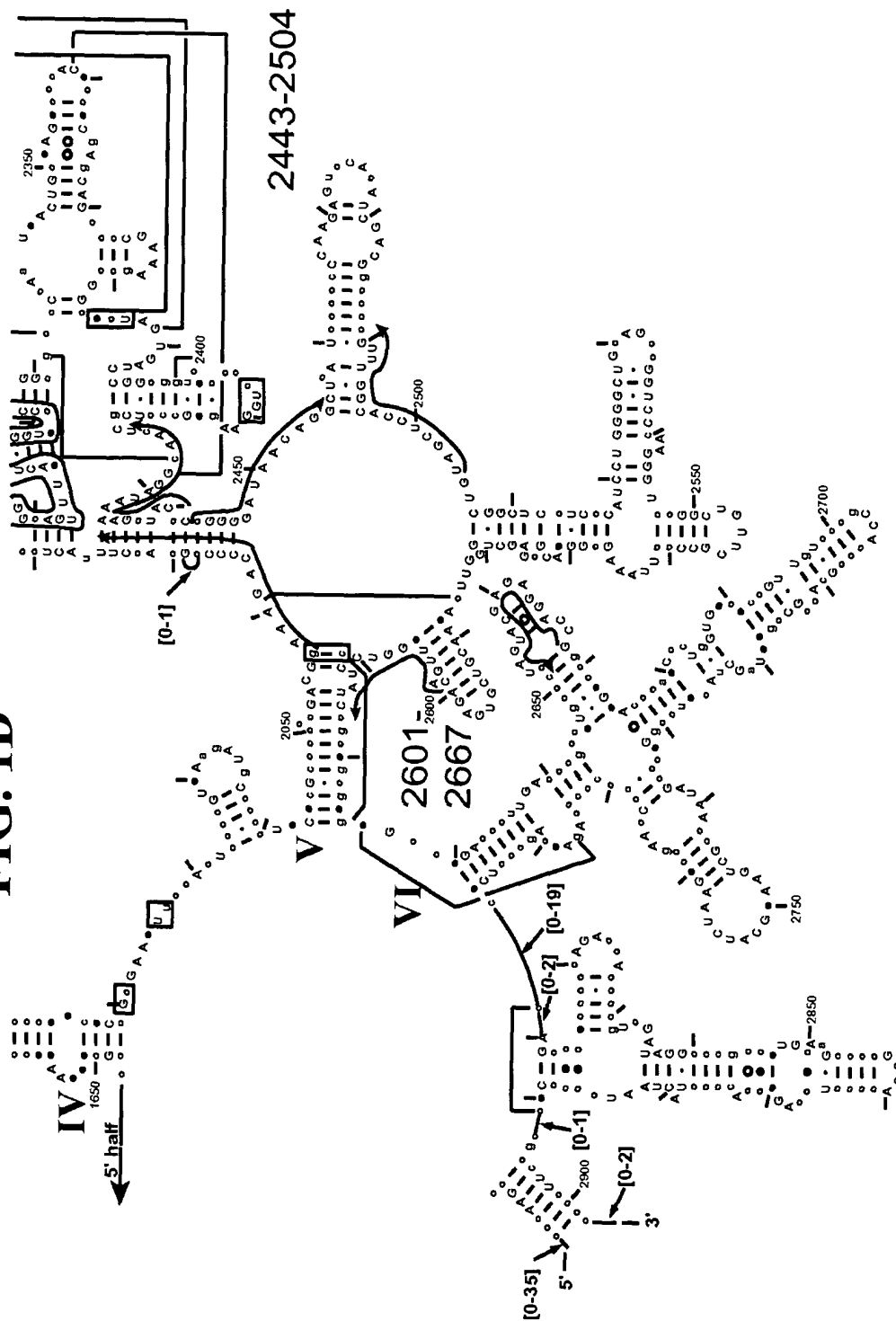


FIG. 1E

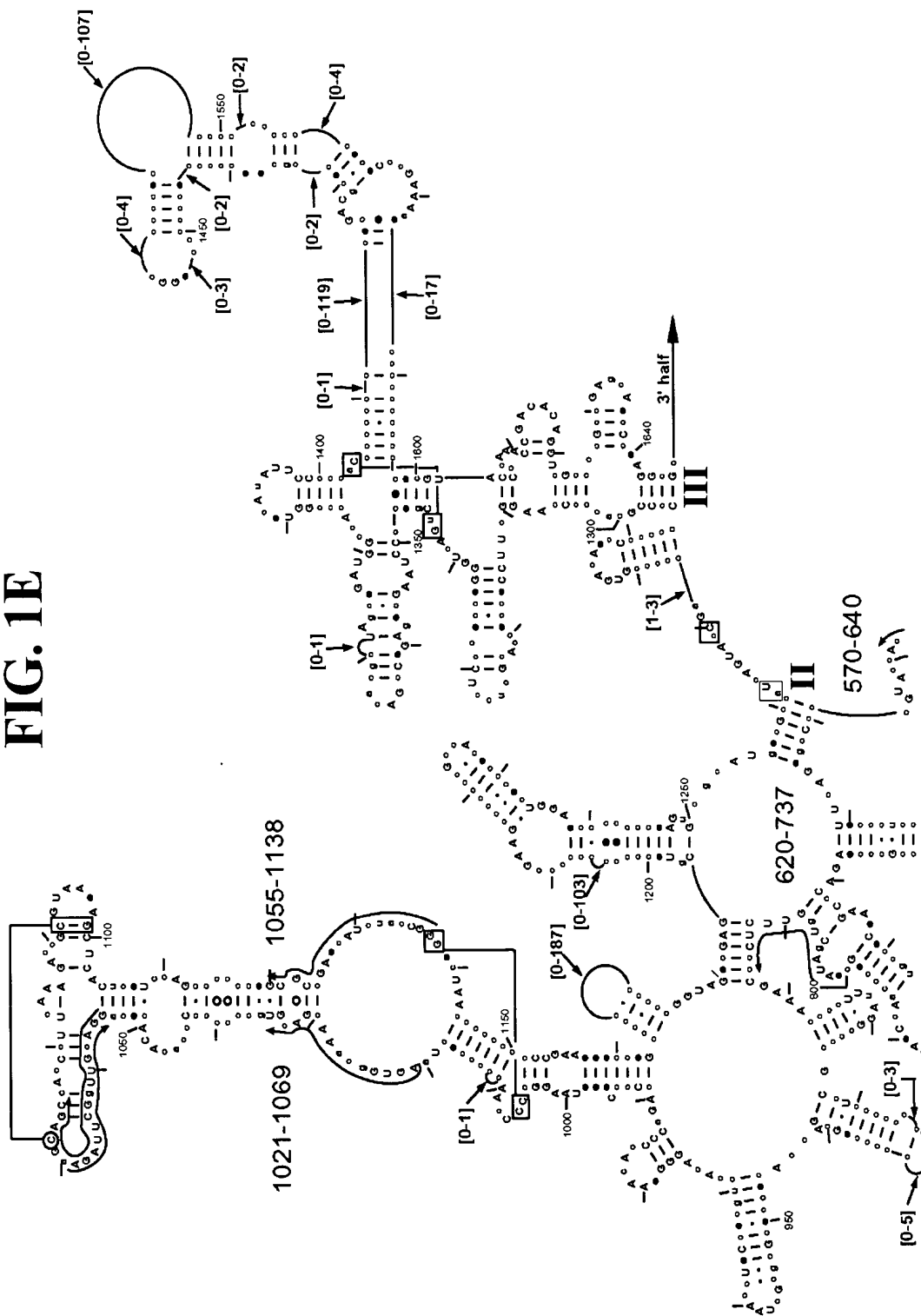


FIG. 1F

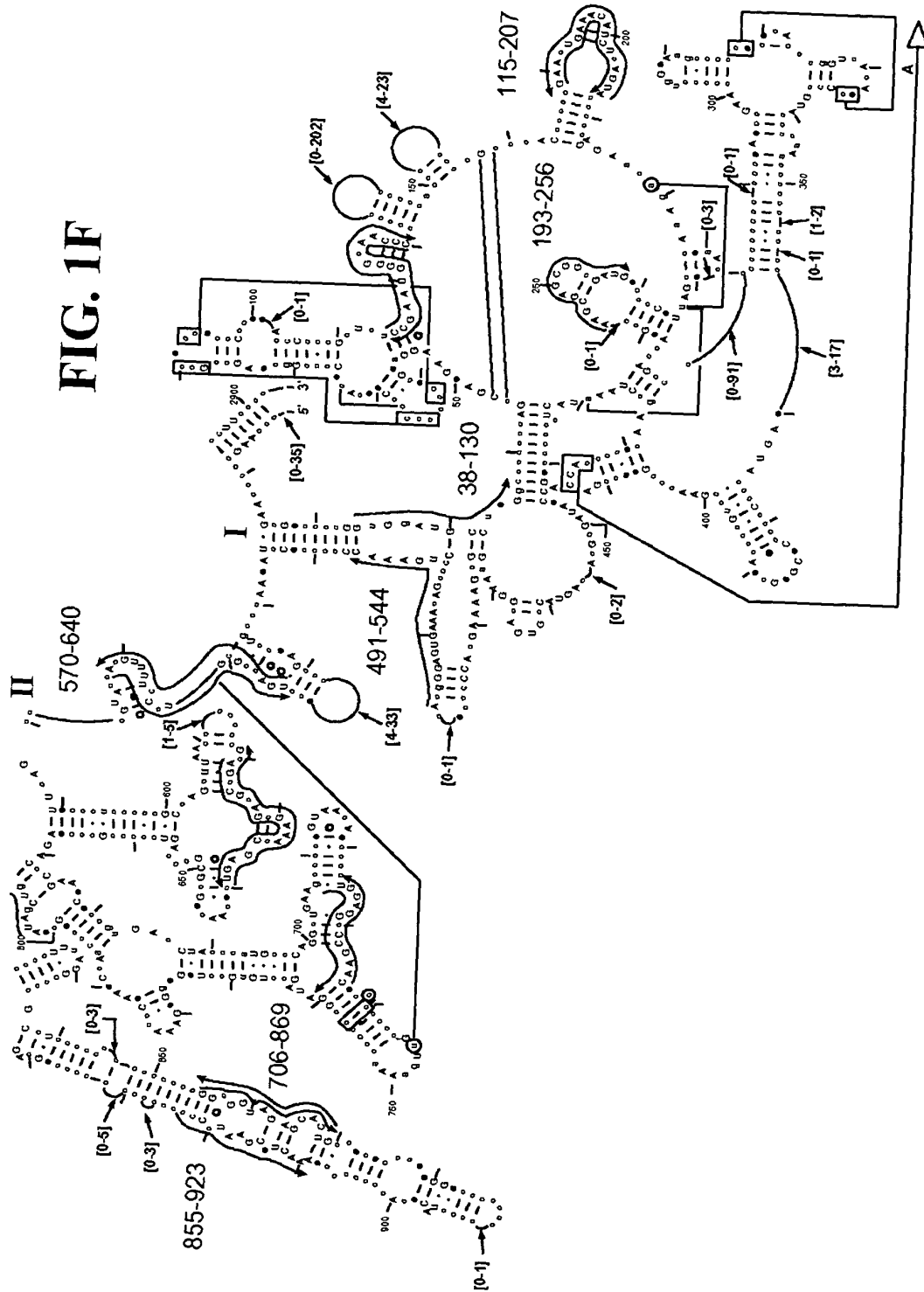


FIG. 1G

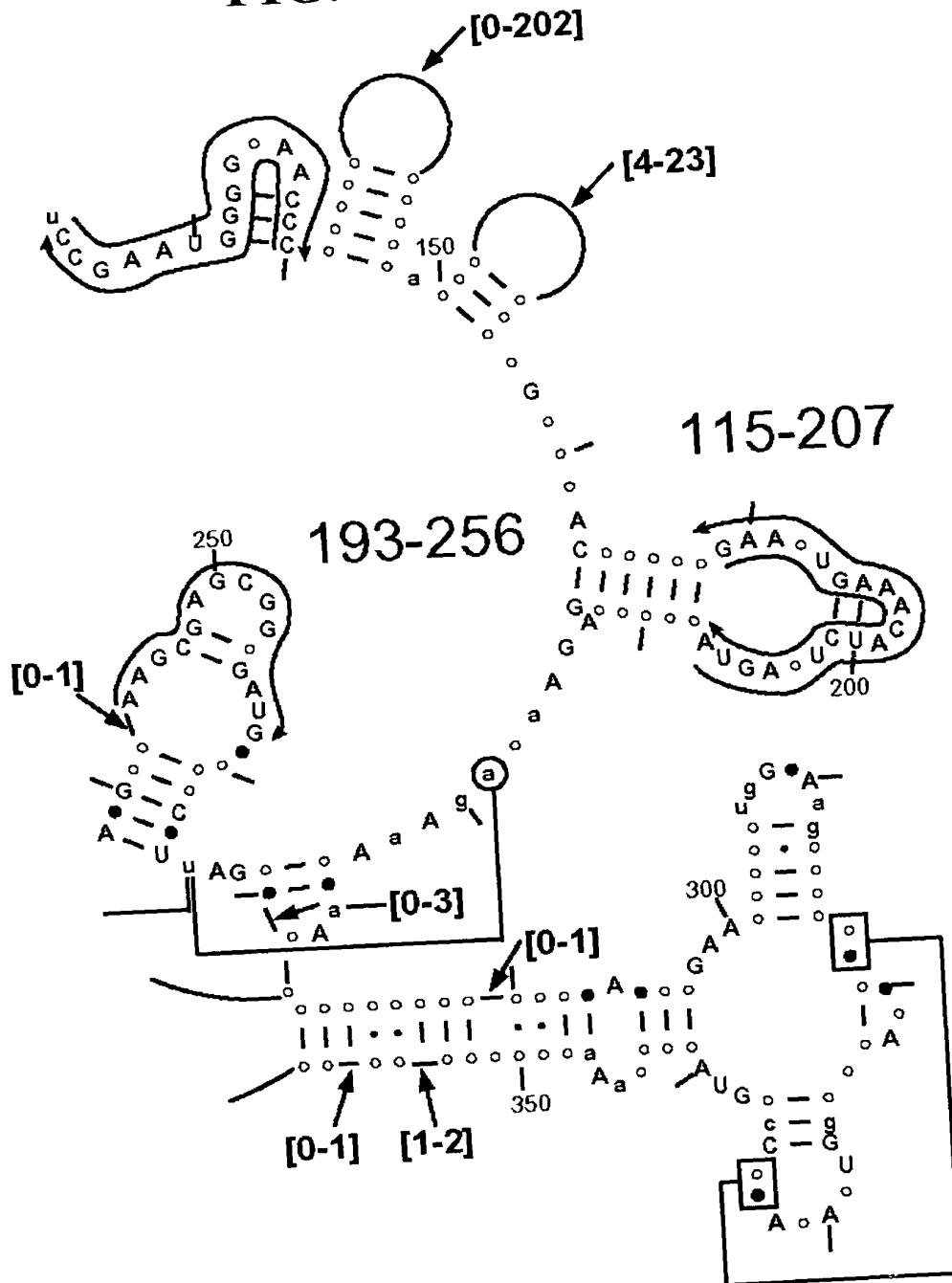


FIG. 1H

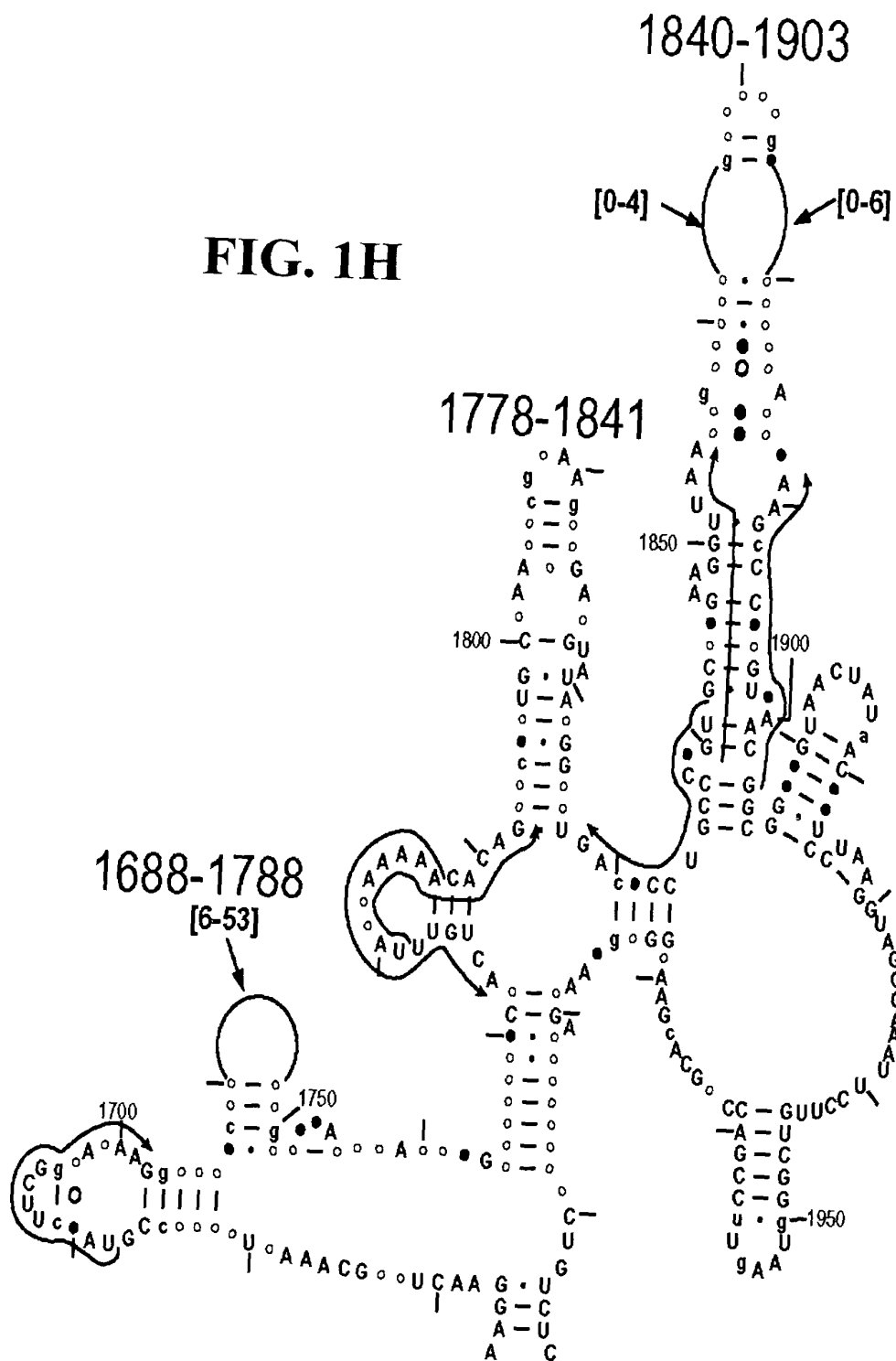
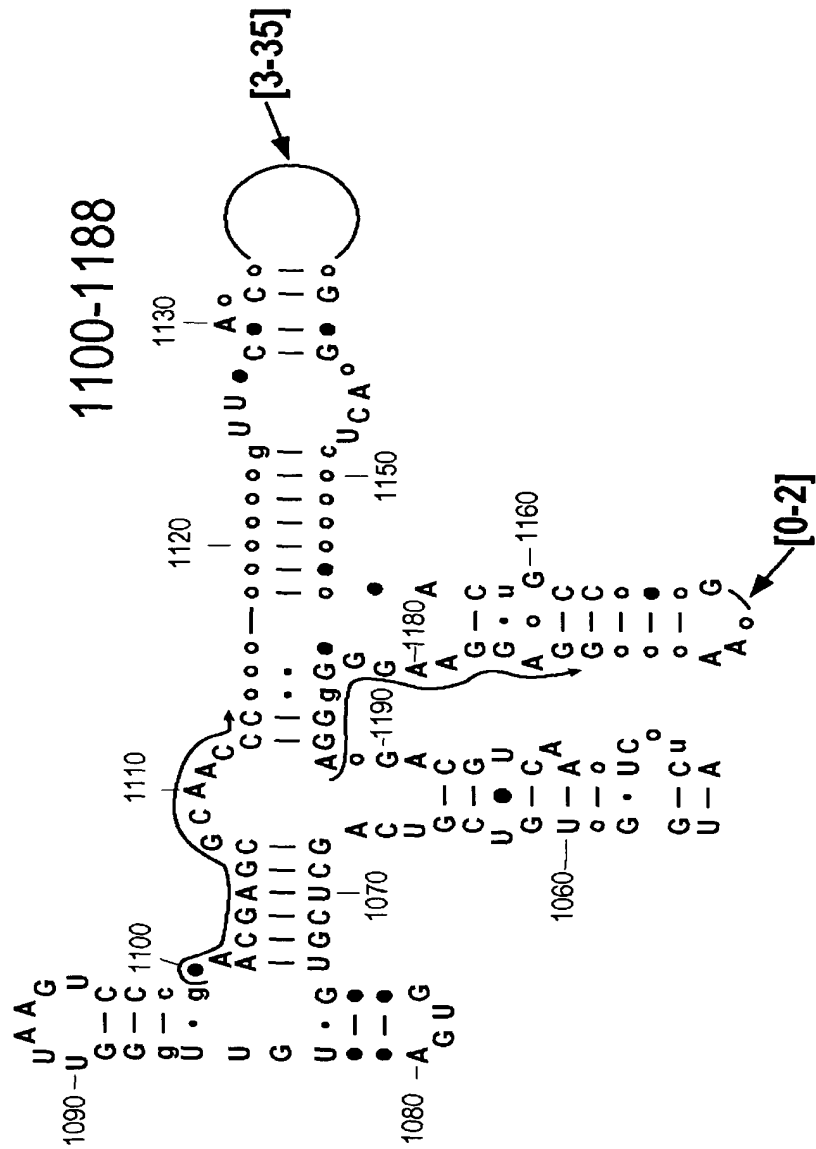


FIG. 2



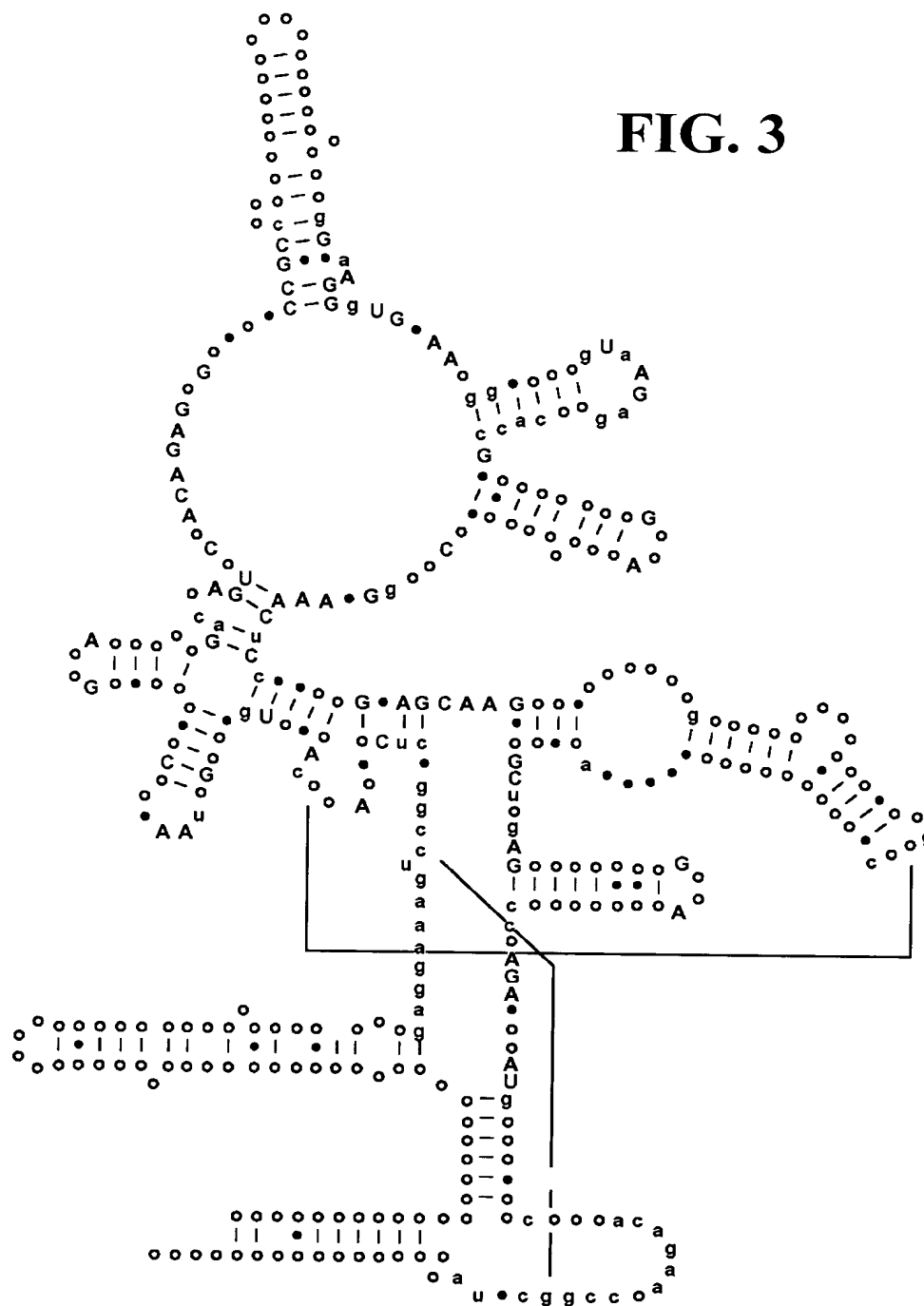


FIG. 4

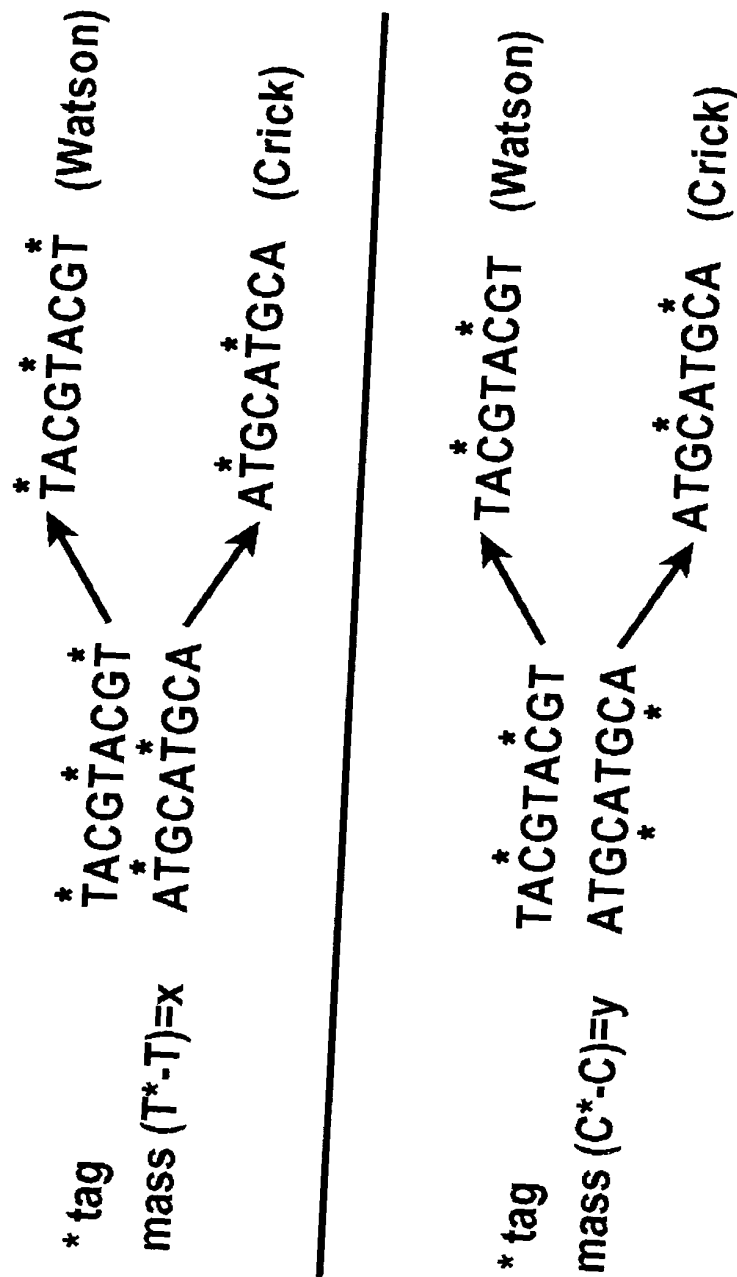
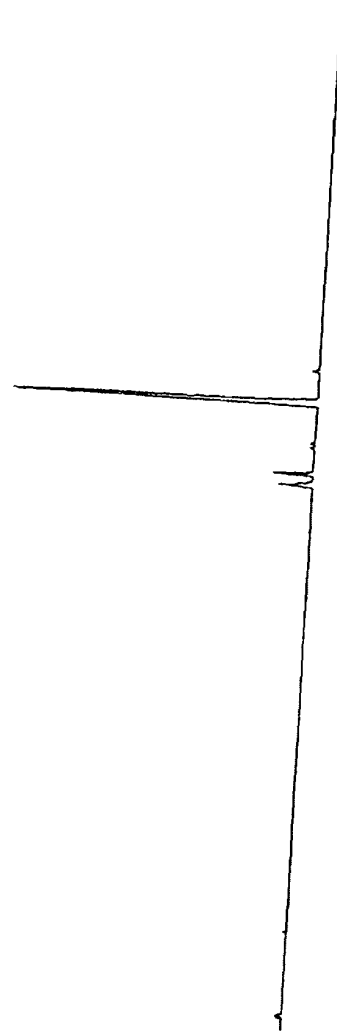


FIG. 5

B. anthracis ($A_{14}G_9C_{14}T_9$) $MW_{meas} = 14072.2$



*B. anthracis** ($A_1A_{13}G_9C_{14}T_9$) $MW_{meas} = 14280.9$

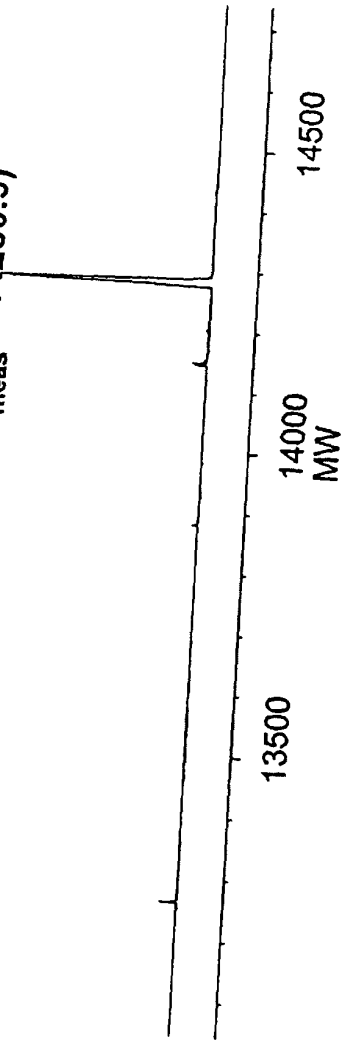


FIG. 6

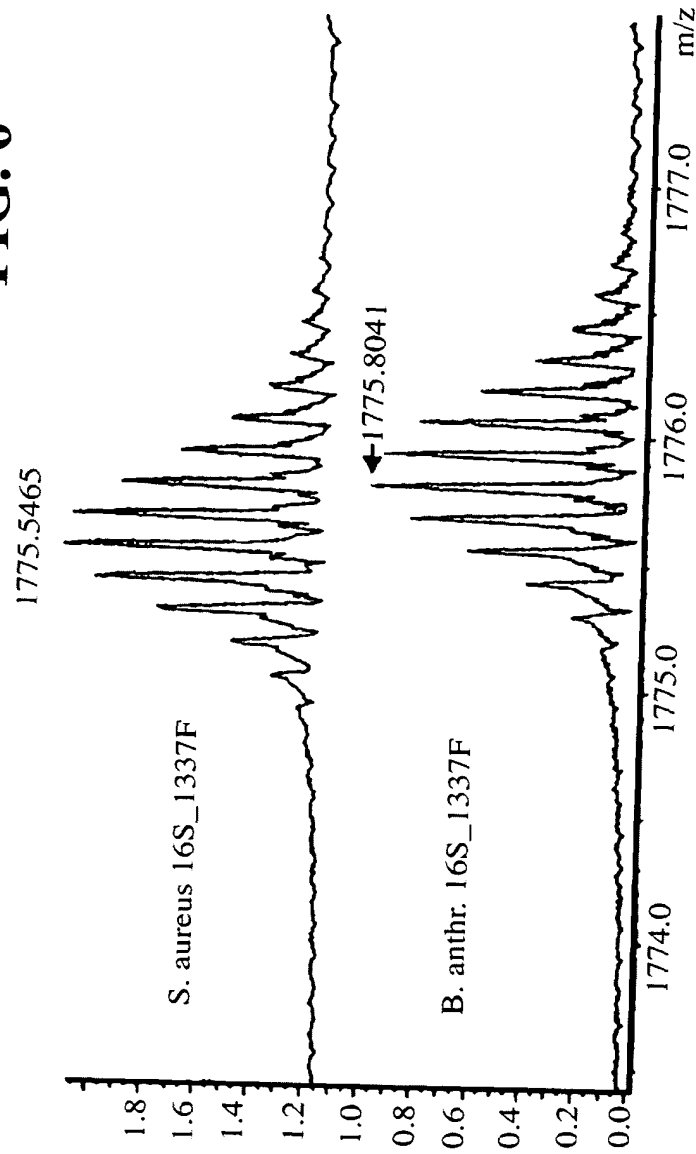


FIG. 7

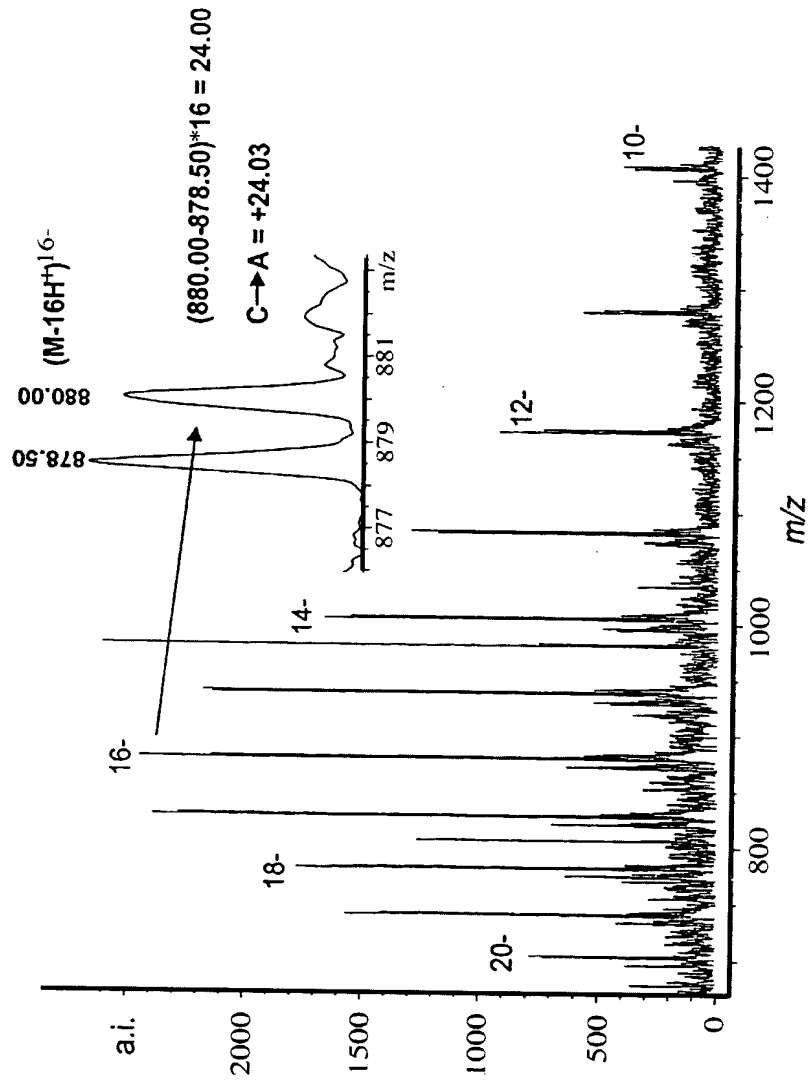
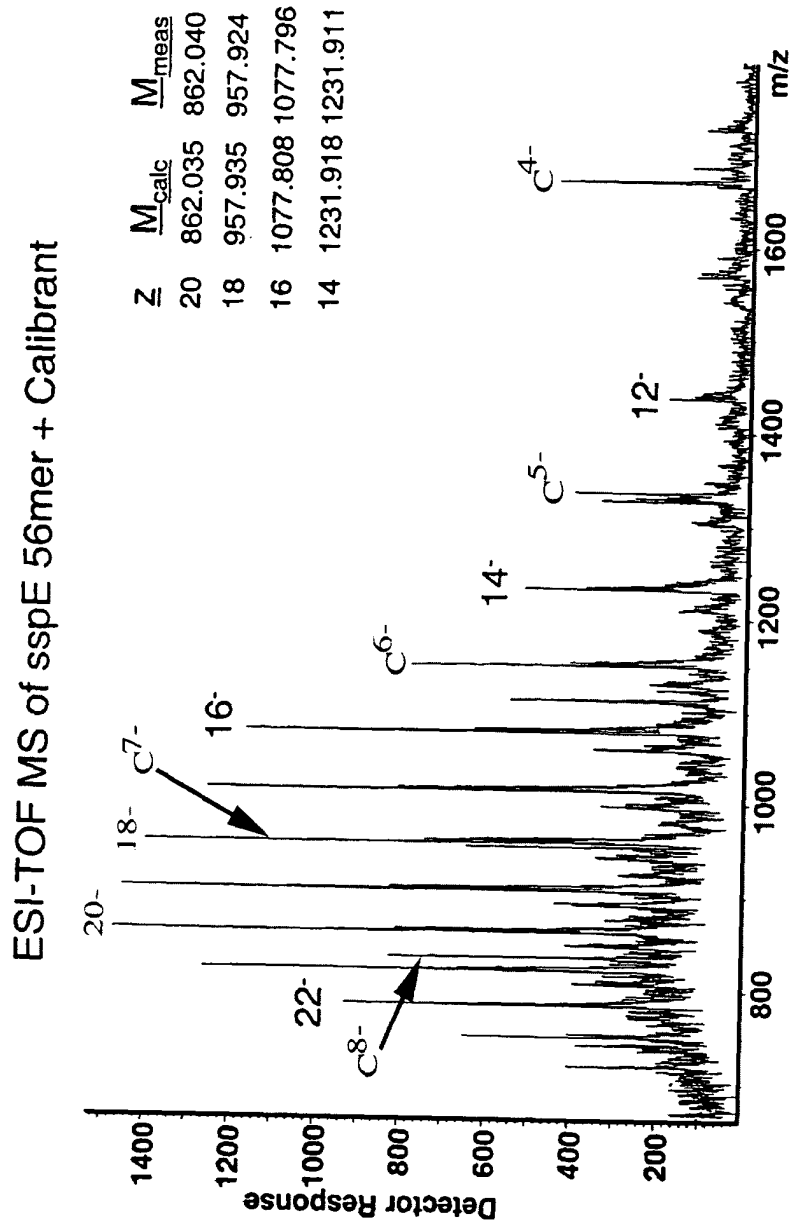


FIG. 8



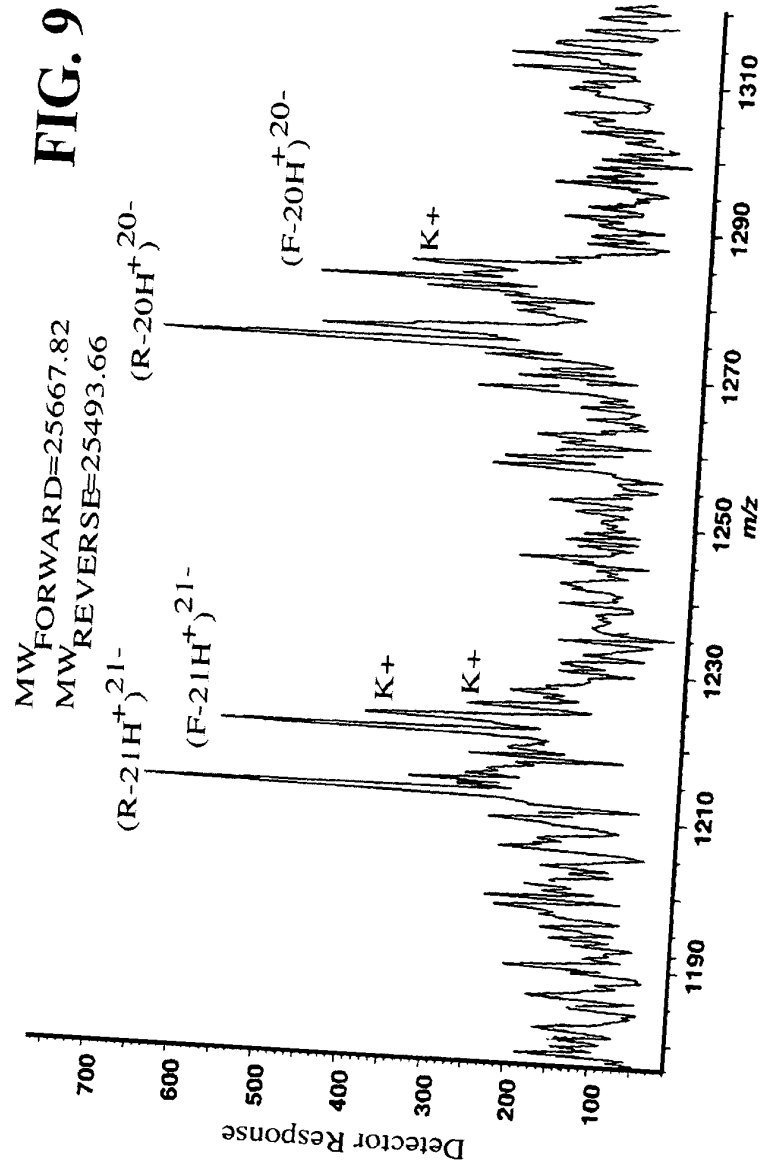
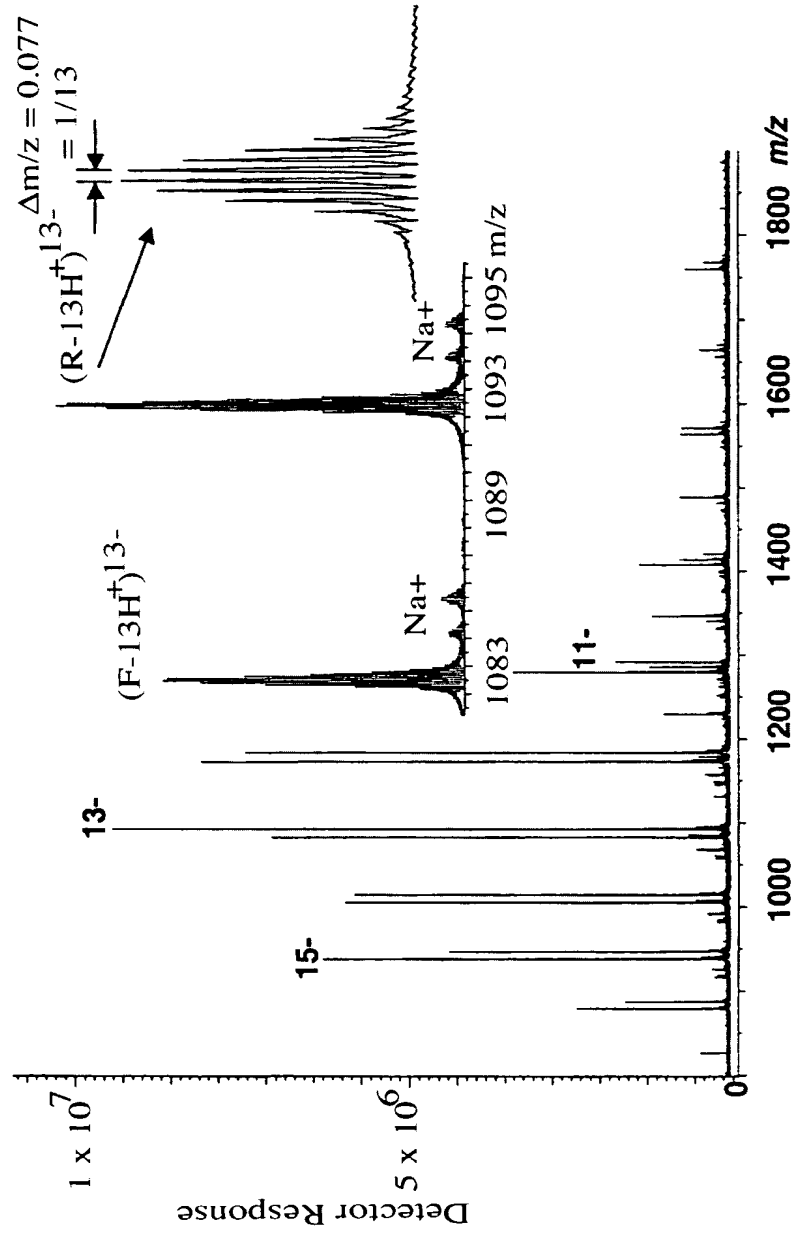


FIG. 10



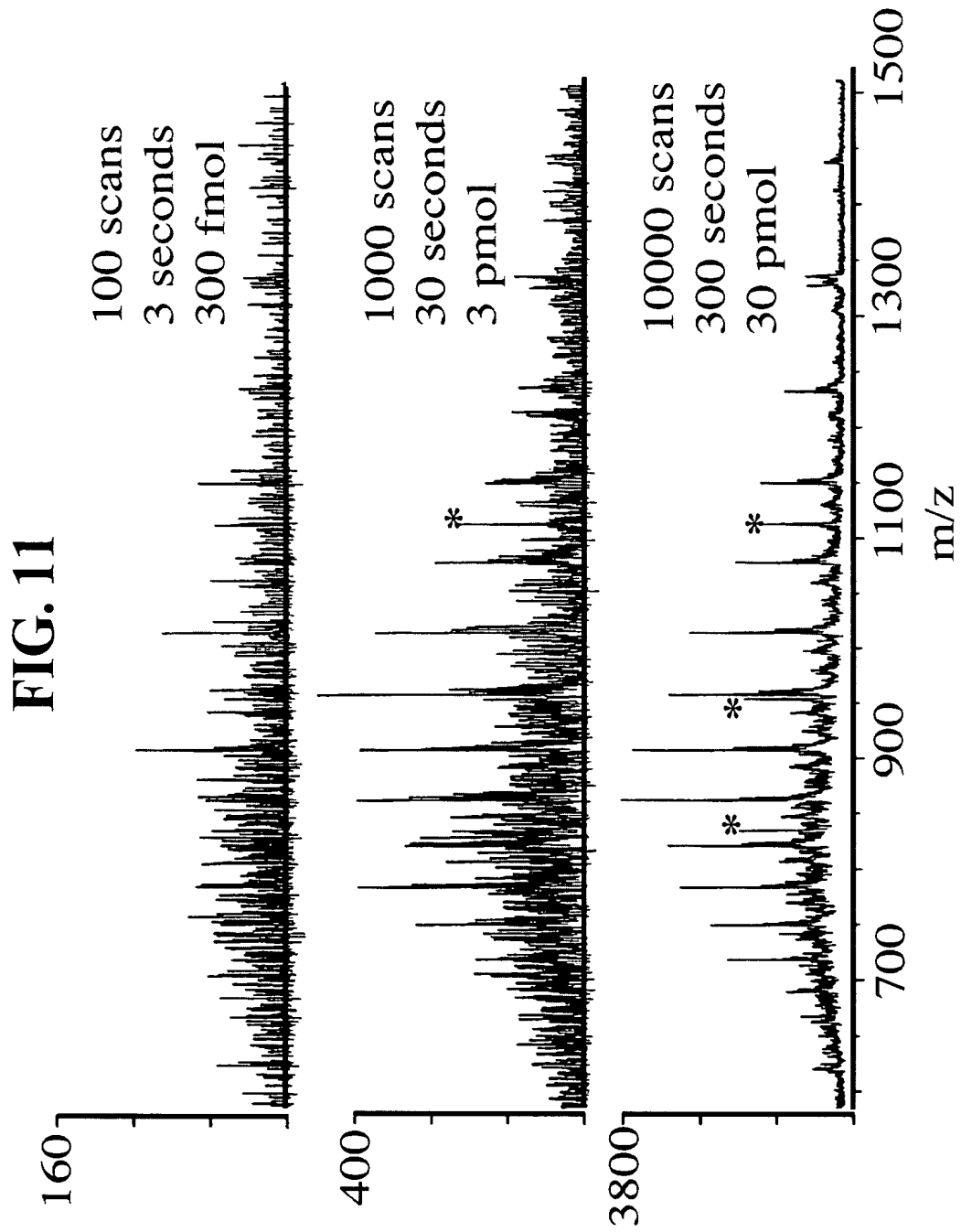
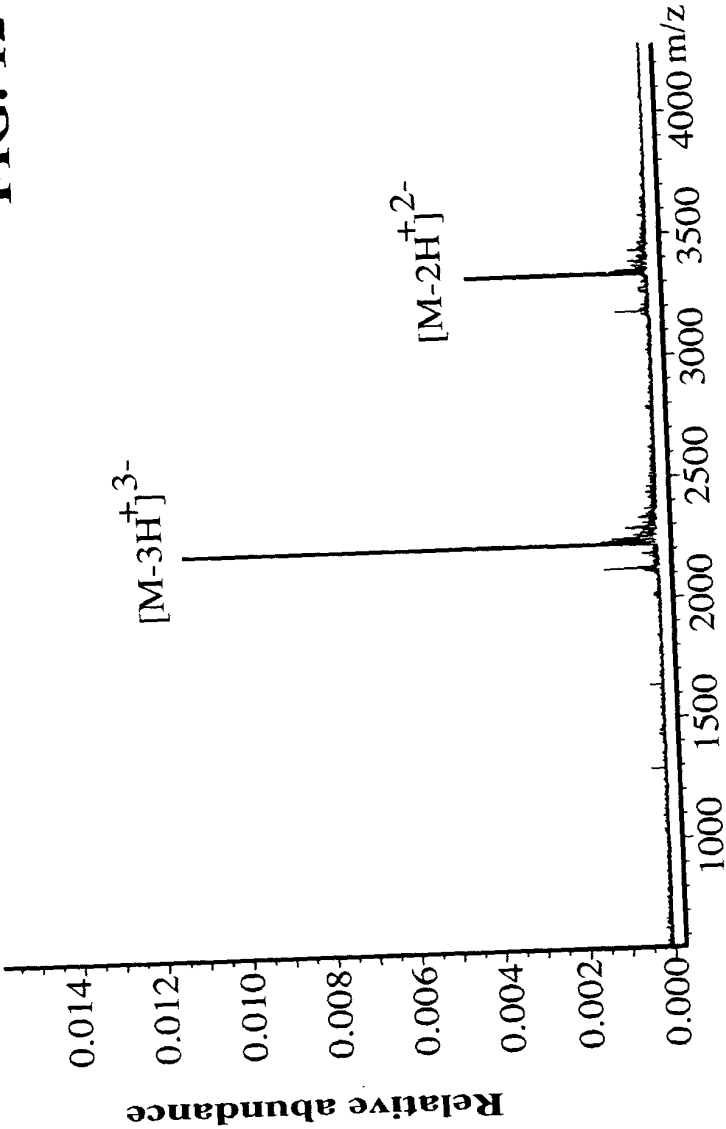


FIG. 12



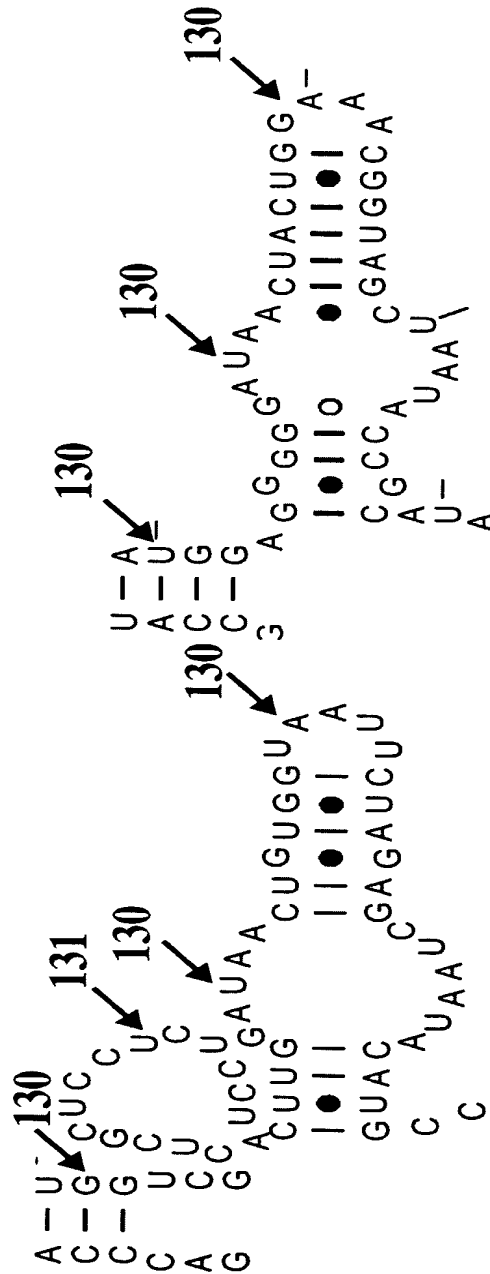
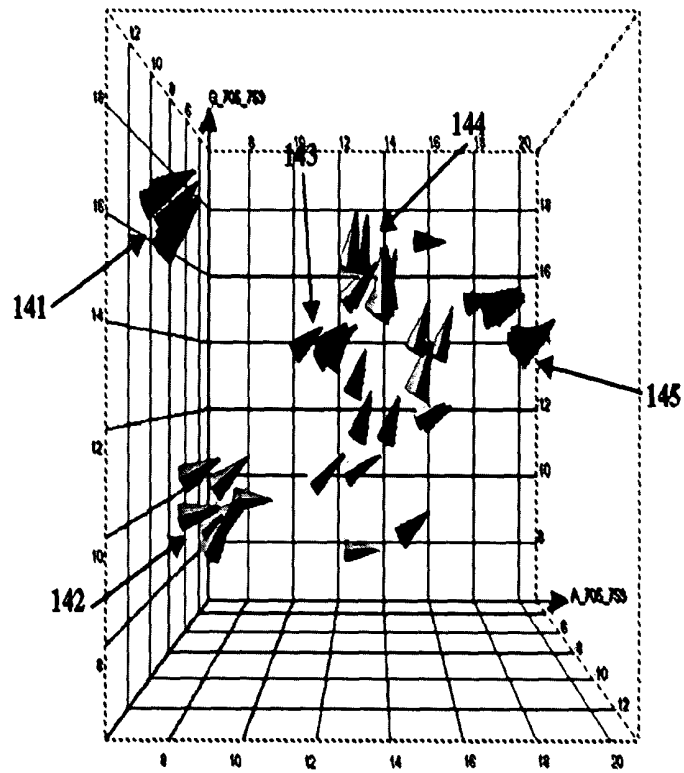


FIG. 14



Picornavirus RdRp 705-759

- | | | | |
|------------------------------|--------------------------------|-----------------------|----------------------|
| ■ Encephalomyocarditis virus | □ Foot-and-mouth disease virus | ■ Polio | □ Rhinovirus |
| □ Enterovirus | ■ Hepatitis A virus | ■ Porcine enterovirus | ■ Simian Hepatitis A |

FIG. 15

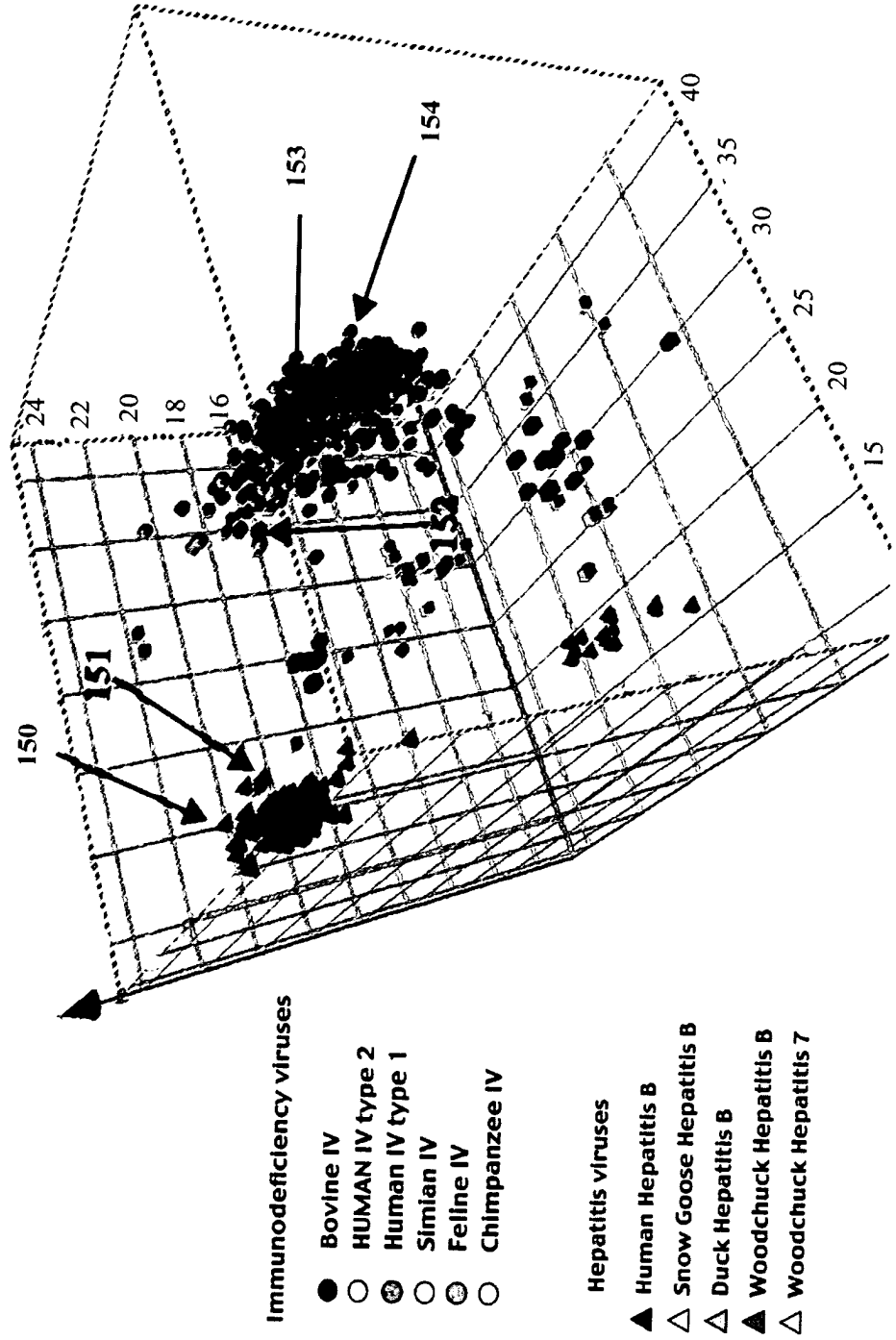
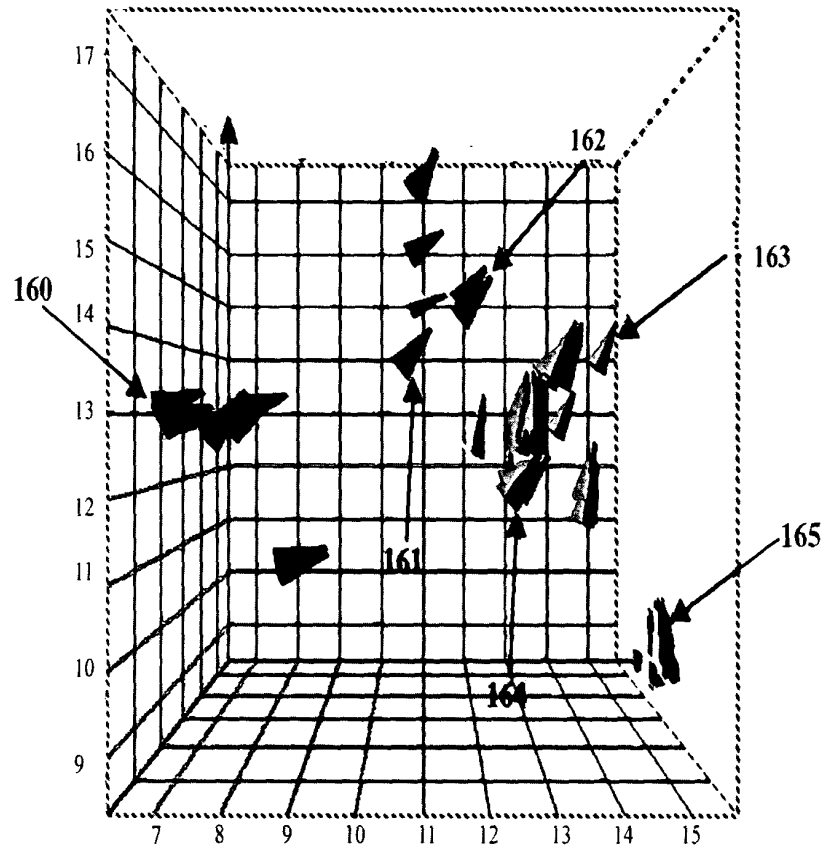


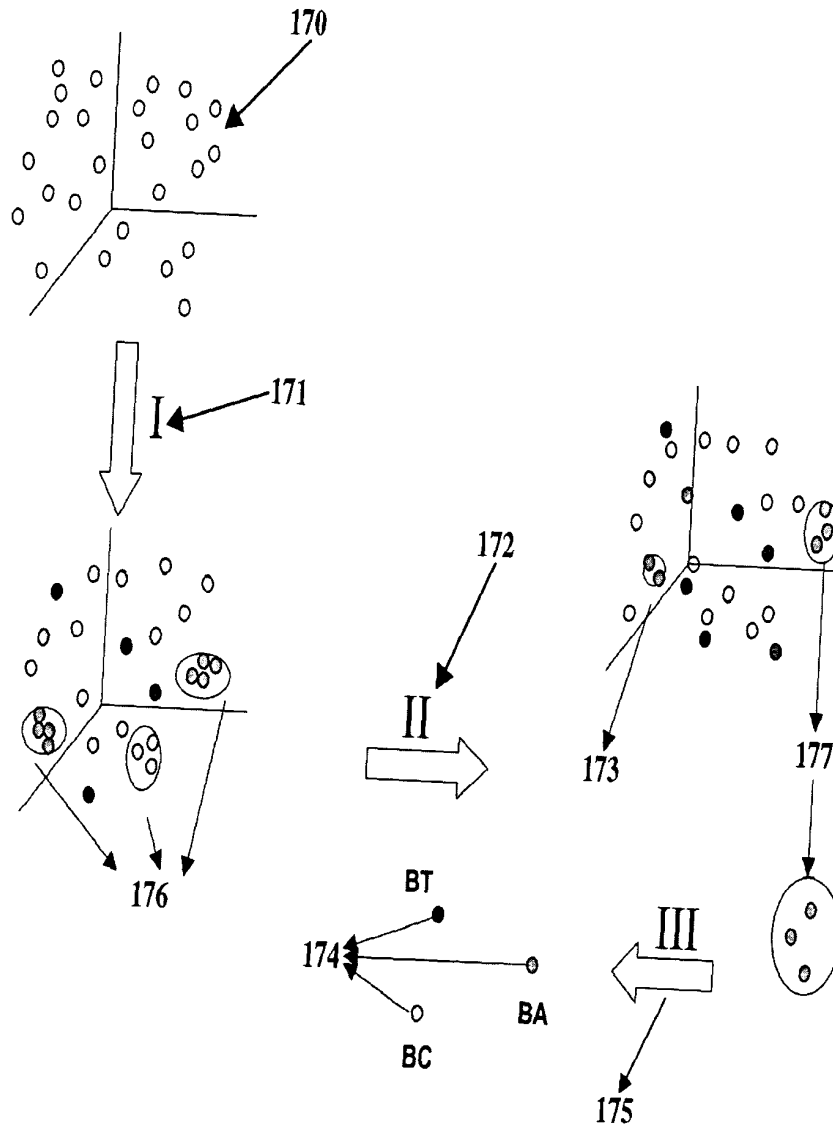
FIG. 16

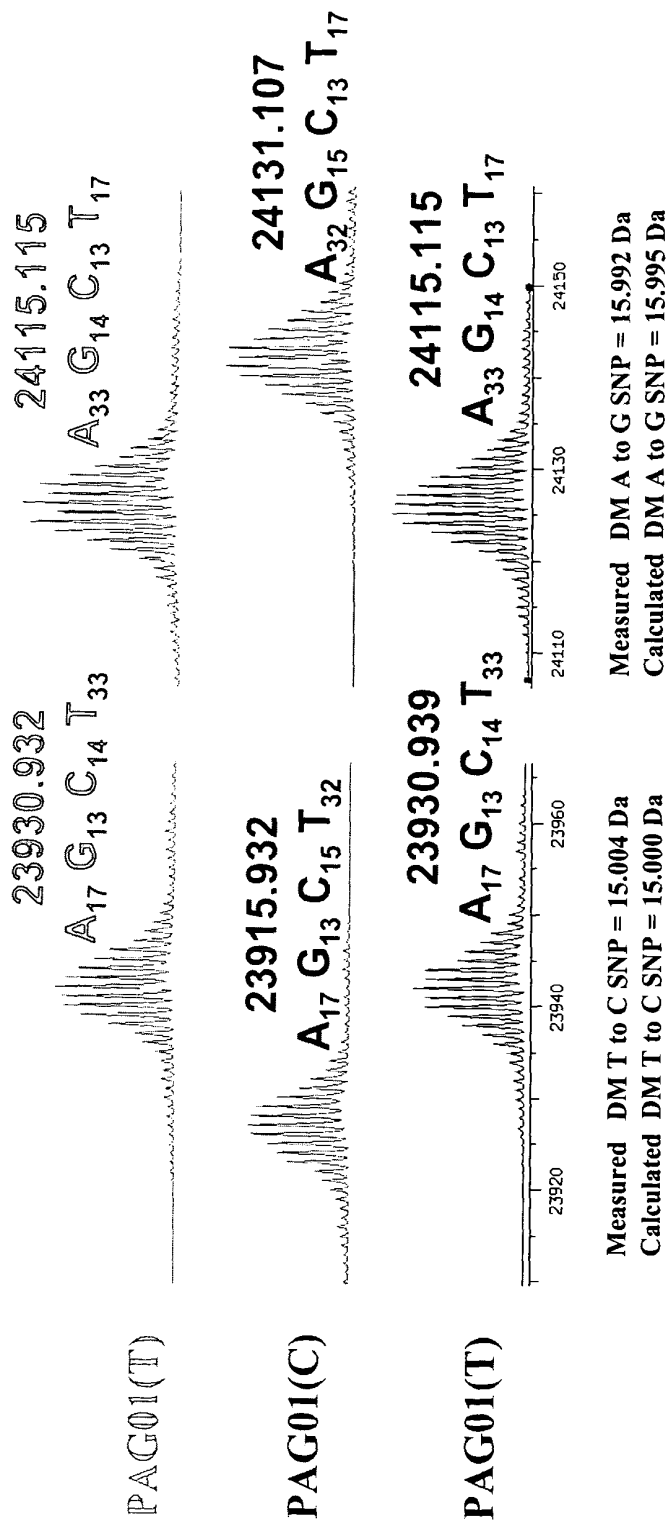


Flavi RdRp 2453-2493

| | | |
|-------------------|----------------------------------|-------------------------------|
| Dengue virus type | Japanese encephalitis virus | Tick-borne encephalitis virus |
| Dengue virus type | Kunjin virus | West Nile virus |
| Dengue virus type | Murray valley encephalitis virus | Yellow fever virus |

FIG. 17





Deconvoluted monoisotopic molecular weights and corresponding
base compositions obtained using ESI-FTICR-MS analysis of
PAG01 loci (C/T).

Figure 18